

10551503

Connecting via Winsock to STN

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LOGINID: sssptau129sxk

PASSWORD:

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* * * * * * * * * * * * * Welcome to STN International * * * * * * * * * * * *

NEWS 1 DEC 01 Web Page for STN Seminar Schedule - N. America
NEWS 2 DEC 01 ChemPort single article sales feature unavailable
NEWS 3 APR 03 CAS coverage of exemplified prophetic substances enhanced
NEWS 4 APR 07 STN is raising the limits on saved answers
NEWS 5 APR 24 CA/Cplus now has more comprehensive patent assignee information
NEWS 6 APR 26 USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS 7 APR 28 CAS patent authority coverage expanded
NEWS 8 APR 28 ENCOMPAT/ENCOMPAT2 search fields enhanced
NEWS 9 APR 28 Limits doubled for structure searching in CAS REGISTRY
NEWS 10 MAY 08 STN Express, Version 8.4, now available
NEWS 11 MAY 11 STN on the Web enhanced
NEWS 12 MAY 11 BEILSTEIN substance information now available on STN easy
NEWS 13 MAY 14 DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS 14 MAY 15 INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
NEWS 15 MAY 28 CAS databases on STN enhanced with NANO super role in records back to 1992
NEWS 16 JUN 01 CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS 17 JUN 26 NUTRACEUT and PHARMAML no longer updated
NEWS 18 JUN 29 IMSCOPROFILE now reloaded monthly
NEWS 19 JUN 29 EPFULL adds SLART to AB, MCLM, and TI fields
NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 11:45:56 ON 07 JUL 2009

=> file reg
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST

| | SINCE FILE | TOTAL |
|--|------------|---------|
| | ENTRY | SESSION |
| | 0.22 | 0.22 |

FILE 'REGISTRY' ENTERED AT 11:46:11 ON 07 JUL 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 JUL 2009 HIGHEST RN 1160908-15-5
DICTIONARY FILE UPDATES: 6 JUL 2009 HIGHEST RN 1160908-15-5

New CAS Information Use Policies; enter HELP USAGETERMS for details.

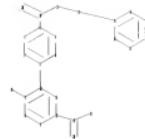
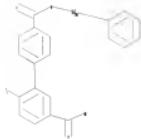
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stn/gen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10551503.str



```

chain nodes :
19 20 21 22 25 27 28 29
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
1-10 4-19 9-25 12-27 15-22 19-20 19-21 21-22 27-28 27-29
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
exact/norm bonds :
9-25 19-20 19-21 27-28 27-29
exact bonds :
1-10 4-19 12-27 15-22 21-22
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18

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G1:CH3,Et,X

Match level :

10551503

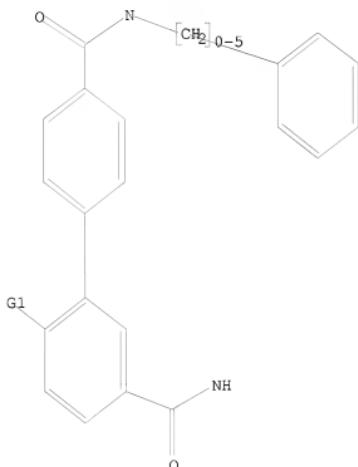
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11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 25:Atom 27:Atom 28:Atom 29:Atom

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 Me,Et,X

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 11:46:31 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 183 TO ITERATE

100.0% PROCESSED 183 ITERATIONS
SEARCH TIME: 00.00.01

11 ANSWERS

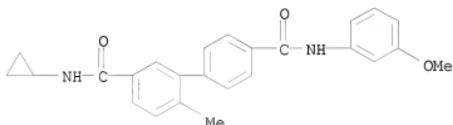
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 2849 TO 4471
PROJECTED ANSWERS: 22 TO 418

10551503

L2 11 SEA SSS SAM L1

=> d

L2 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2009 ACS on STN
RN 1051935-56-8 REGISTRY
ED Entered STN: 23 Sep 2008
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3-cyclopropyl-N4'-(3-methoxyphenyl)-6-methyl- (CA INDEX NAME)
MF C25 H24 N2 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 11 ful
FULL SEARCH INITIATED 11:47:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3733 TO ITERATE

100.0% PROCESSED 3733 ITERATIONS 186 ANSWERS
SEARCH TIME: 00.00.01

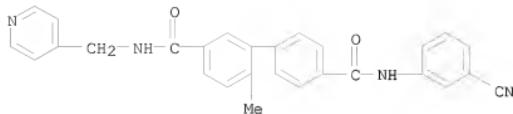
L3 186 SEA SSS FUL L1

=> d 13 1 10 20 30 40 50 60 100 120 150 160-186

L3 ANSWER 1 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 1092358-58-1 REGISTRY
ED Entered STN: 31 Dec 2008
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-(4-pyridinylmethyl)-, mixt. with
3,5-bis[(2-fluorophenyl)methylene]-4-piperidinone (CA INDEX NAME)
MF C28 H22 N4 O2 . C19 H15 F2 N O
CI MXS
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

CM 1

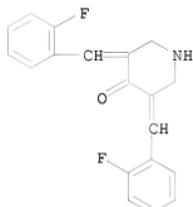
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CMF C28 H22 N4 O2



CM 2

CRN 342808-40-6

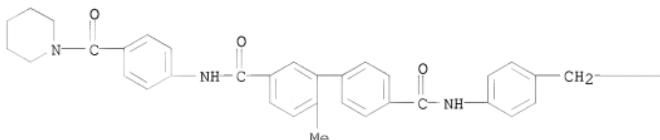
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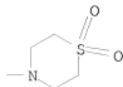
L3 ANSWER 10 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 929892-92-2 REGISTRY
 ED Entered STN: 13 Apr 2007
 CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
 N4'-[4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl]-6-methyl-N3-[4-(1-piperidinylcarbonyl)phenyl]- (CA INDEX NAME)
 MF C38 H40 N4 O5 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

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PAGE 1-B

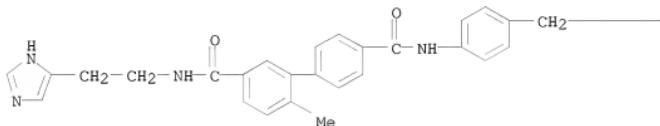


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

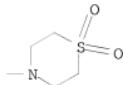
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 20 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929892-77-3 REGISTRY
ED Entered STN: 13 Apr 2007
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-[4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl]-N3-[2-(1H-imidazol-5-
yl)ethyl]-6-methyl- (CA INDEX NAME)
MF C31 H33 N5 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

PAGE 1-A



PAGE 1-B



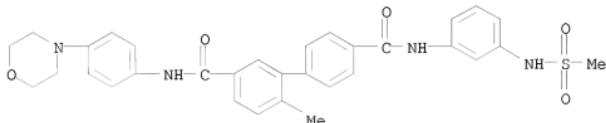
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 30 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN

10551503

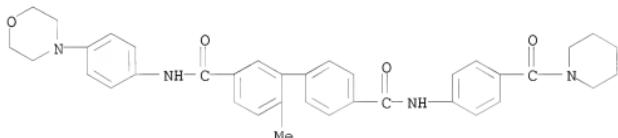
RN 929892-45-5 REGISTRY
ED Entered STN: 13 Apr 2007
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
6-methyl-N4'-(3-[{methylsulfonyl}amino]phenyl)-N3-[4-(4-
morpholinyl)phenyl]- (CA INDEX NAME)
MF C32 H32 N4 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 40 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929892-27-3 REGISTRY
ED Entered STN: 13 Apr 2007
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
6-methyl-N3-[4-(4-morpholinyl)phenyl]-N4'-(4-(1-
piperidinylcarbonyl)phenyl)- (CA INDEX NAME)
MF C37 H38 N4 O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

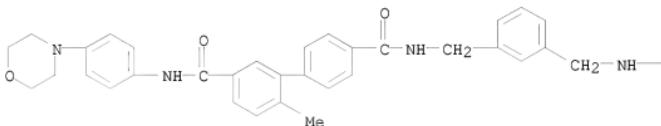
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 50 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929892-16-0 REGISTRY
ED Entered STN: 13 Apr 2007
CN Carbamic acid, N-[3-[[[2'-methyl-5'-[[[4-(4-
morpholinyl)phenyl]amino]carbonyl][1,1'-biphenyl]-4-

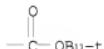
10551503

yl]carbonyl]amino]methyl]phenyl]methyl]-, 1,1-dimethylethyl ester (CA
INDEX NAME)
MF C38 H42 N4 O5
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

PAGE 1-A



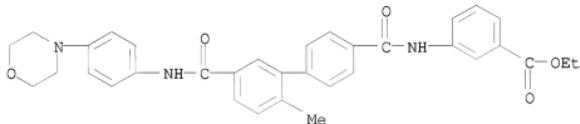
PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 60 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929892-03-5 REGISTRY
ED Entered STN: 13 Apr 2007
CN Benzoic acid, 3-[[2'-methyl-5'-[[[4-(4-
morpholinyl)phenyl]amino]carbonyl][1,1'-biphenyl]-4-yl]carbonyl]amino]-,
ethyl ester (CA INDEX NAME)
MF C34 H33 N3 O5
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



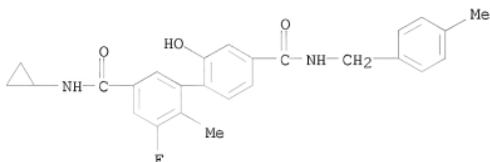
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

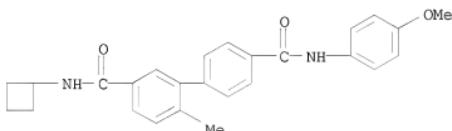
L3 ANSWER 100 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 776313-95-2 REGISTRY
ED Entered STN: 08 Nov 2004
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3-cyclopropyl-5-fluoro-2'-hydroxy-6-methyl-N4'-(4-methylphenyl)methyl-
(CA INDEX NAME)
MF C26 H25 F N2 O3
SR CA
LC STN Files: CA, CAPLUS



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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 120 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515131-29-0 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3-cyclobutyl-N4'-(4-methoxyphenyl)-6-methyl- (CA INDEX NAME)
MF C26 H26 N2 O3
SR CA
LC STN Files: CA, CAPLUS



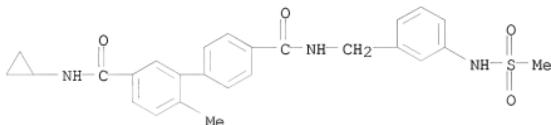
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L3 ANSWER 150 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-96-8 REGISTRY

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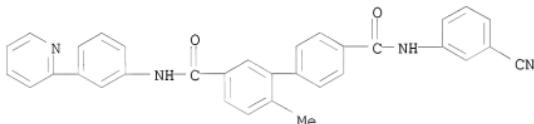
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
 N3-cyclopropyl-6-methyl-N4'-(3-[(methylsulfonyl)amino]phenyl)methyl)-
 (CA INDEX NAME)
MF C26 H27 N3 O4 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 160 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-86-6 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
 N4'-(3-cyanophenyl)-6-methyl-N3-[3-(2-pyridinyl)phenyl]- (CA INDEX NAME)
MF C33 H24 N4 O2
SR CA
LC STN Files: CA, CAPLUS



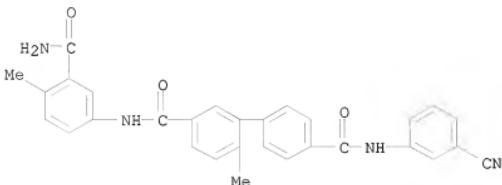
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 161 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-85-5 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
 N3-[3-(aminocarbonyl)-4-methylphenyl]-N4'-(3-cyanophenyl)-6-methyl- (CA
 INDEX NAME)
MF C30 H24 N4 O3
SR CA

10551503

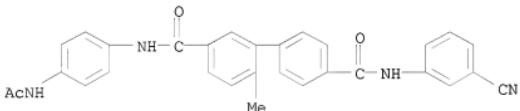
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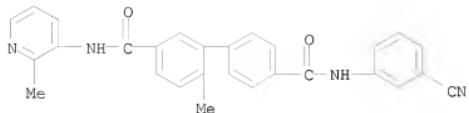
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RN 515130-84-4 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3-[4-(acetylaminophenyl)-N4'-(3-cyanophenyl)-6-methyl- (CA INDEX NAME)
MF C30 H24 N4 O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

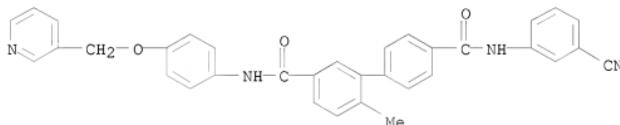
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RN 515130-83-3 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-(2-methyl-3-pyridinyl)- (CA INDEX NAME)
MF C28 H22 N4 O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 164 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-82-2 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N⁴-(3-cyanophenyl)-6-methyl-N³-[4-(3-pyridinylmethoxy)phenyl]- (CA INDEX
NAME)
MF C34 H26 N4 O3
SR CA
LC STN Files: CA, CAPLUS

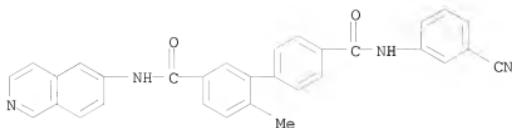


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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RN 515130-81-1 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-N3-6-isocouinolinyl-6-methyl- (CA INDEX NAME)
MF C31 H22 N4 O2
SR CA
LC STN Files: CA, CAPLUS

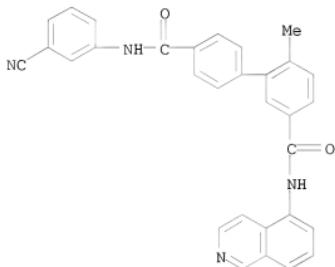
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 166 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-80-0 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-N3-5-isoquinolinyl-6-methyl- (CA INDEX NAME)
MF C31 H22 N4 O2
SR CA
LC STN Files: CA, CAPLUS



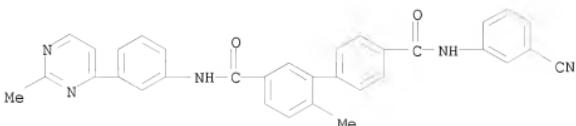
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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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RN 515130-79-7 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-[3-(2-methyl-4-pyrimidinyl)phenyl]- (CA
INDEX NAME)
MF C33 H25 N5 O2
SR CA

10551503

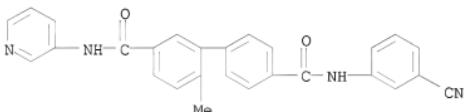
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 168 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-78-6 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3'-(3-cyanophenyl)-6-methyl-N3-3-pyridinyl- (CA INDEX NAME)
MF C27 H20 N4 O2
SR CA
LC STN Files: CA, CAPLUS

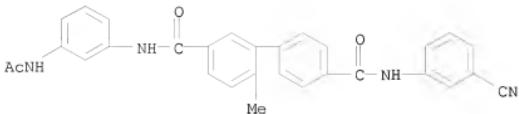


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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RN 515130-77-5 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
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LC STN Files: CA, CAPLUS

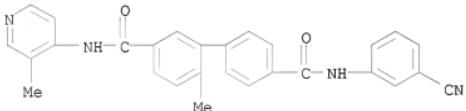
10551503



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

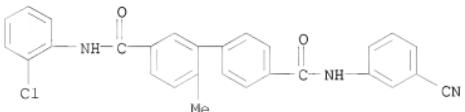
L3 ANSWER 170 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-76-4 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-(3-methyl-4-pyridinyl)- (CA INDEX NAME)
MF C28 H22 N4 O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 171 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-75-3 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3-(2-chlorophenyl)-N4'-(3-cyanophenyl)-6-methyl- (CA INDEX NAME)
MF C28 H20 Cl N3 O2
SR CA
LC STN Files: CA, CAPLUS

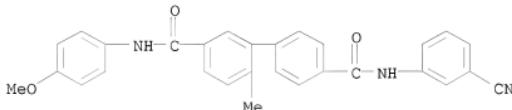


10551503

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

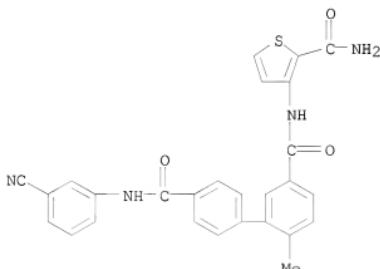
L3 ANSWER 172 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-74-2 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-N3-(4-methoxyphenyl)-6-methyl- (CA INDEX NAME)
MF C29 H23 N3 O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 173 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-73-1 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3-[2-(aminocarbonyl)-3-thienyl]-N4'-(3-cyanophenyl)-6-methyl- (CA INDEX
NAME)
MF C27 H20 N4 O3 S
SR CA
LC STN Files: CA, CAPLUS

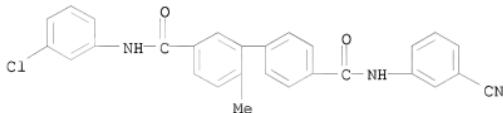


10551503

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

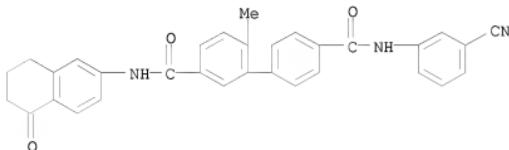
L3 ANSWER 174 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-72-0 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3-(3-chlorophenyl)-N4'-(3-cyanophenyl)-6-methyl- (CA INDEX NAME)
MF C28 H20 Cl N3 O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 175 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-71-9 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-(5,6,7,8-tetrahydro-5-oxo-2-naphthalenyl)-
(CA INDEX NAME)
MF C32 H25 N3 O3
SR CA
LC STN Files: CA, CAPLUS



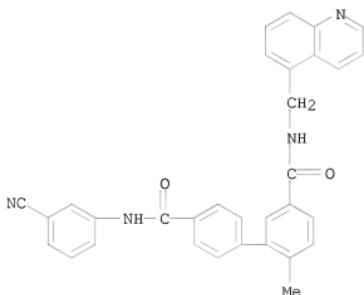
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1 REFERENCES IN FILE CA (1907 TO DATE)

10551503

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

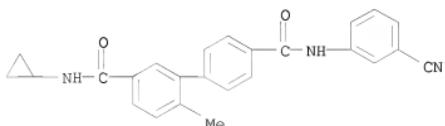
L3 ANSWER 176 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-70-8 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-(5-quinolinylmethyl)- (CA INDEX NAME)
MF C32 H24 N4 O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 177 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-69-5 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-N3-cyclopropyl-6-methyl- (CA INDEX NAME)
MF C25 H21 N3 O2
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER



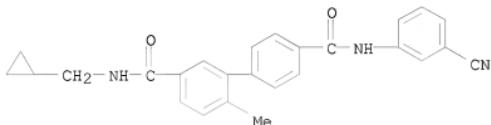
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7/7/09

10551503

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

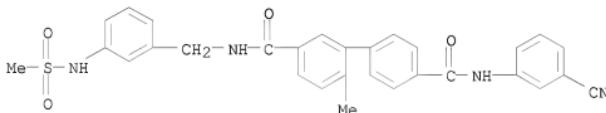
L3 ANSWER 178 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-68-4 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-N3-(cyclopropylmethyl)-6-methyl- (CA INDEX NAME)
MF C26 H23 N3 O2
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 179 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-67-3 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-[{3-[(methylsulfonyl)amino]phenyl}methyl]-
(CA INDEX NAME)
MF C30 H26 N4 O4 S
SR CA
LC STN Files: CA, CAPLUS



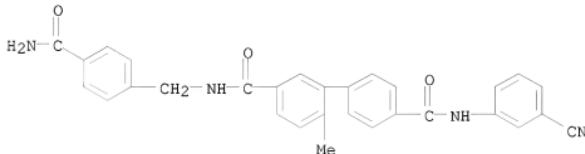
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 180 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-66-2 REGISTRY
ED Entered STN: 14 May 2003

10551503

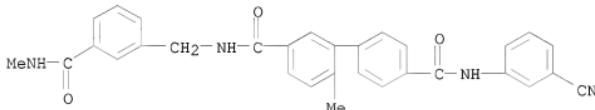
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3-[4-(aminocarbonyl)phenyl]methyl-N4'-(3-cyanophenyl)-6-methyl- (CA
INDEX NAME)
MF C30 H24 N4 O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 181 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-65-1 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-[3-[(methylamino)carbonyl]phenyl]methyl-
(CA INDEX NAME)
MF C31 H26 N4 O3
SR CA
LC STN Files: CA, CAPLUS



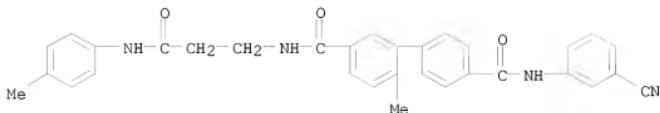
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 182 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-64-0 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-[3-[(4-methylphenyl)amino]-3-oxopropyl]-
(CA INDEX NAME)
MF C32 H28 N4 O3

10551503

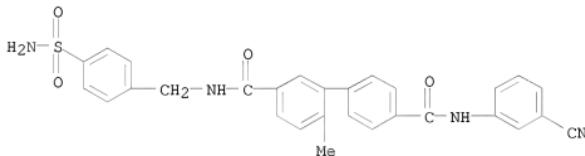
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 183 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-63-9 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3-[[4-(aminosulfonyl)phenyl]methyl]-N4'-(3-cyanophenyl)-6-methyl- (CA
INDEX NAME)
MF C29 H24 N4 O4 S
SR CA
LC STN Files: CA, CAPLUS

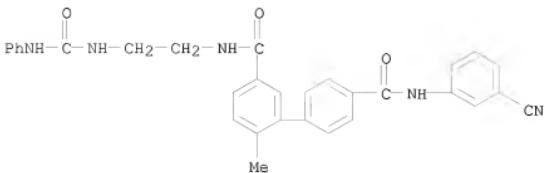


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 184 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-62-8 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-[2-[(phenylamino)carbonyl]amino]ethyl-
(CA INDEX NAME)
MF C31 H27 N5 O3
SR CA
LC STN Files: CA, CAPLUS

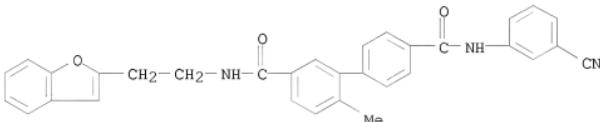
10551503



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

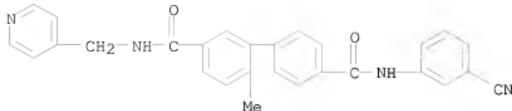
L3 ANSWER 185 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-61-7 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N3-[2-(2-benzofuranyl)ethyl]-N4'-(3-cyanophenyl)-6-methyl- (CA INDEX
NAME)
MF C32 H25 N3 O3
SR CA
LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 186 OF 186 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515130-60-6 REGISTRY
ED Entered STN: 14 May 2003
CN [1,1'-Biphenyl]-3,4'-dicarboxamide,
N4'-(3-cyanophenyl)-6-methyl-N3-(4-pyridinylmethyl)- (CA INDEX NAME)
MF C28 H22 N4 O2
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file zcplus
 COST IN U.S. DOLLARS

| | SINCE FILE
ENTRY | TOTAL
SESSION |
|---------------------|---------------------|------------------|
| FULL ESTIMATED COST | 265.22 | 265.44 |

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FILE COVERS 1907 - 7 Jul 2009 VOL 151 ISS 2
FILE LAST UPDATED: 6 Jul 2009 (20090706/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2009

ZCAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2009.

CAS Information Use Policies apply and are available at: [http://www.cas.org/casinfo](#)

<http://www.cas.org/legal/info/policy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13
L4 8 L3

=> Q 14 1-8

10551503

L4 ANSWER 1 OF 8 ZCPLUS COPYRIGHT 2009 ACS on STN
AN 2008:1481200 ZCPLUS
DN 150:29003
TI NF- κ B inhibitor-p38 MAP kinase inhibitor combination for the treatment of cancer and inflammatory diseases
IN Fu, Haian; Liotta, Dennis C.; Thomas, Shala L.; Snyder, James P.
PA Emory University, USA
SO PCT Int. Appl., 122pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1
PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2008150899 A1 20081211 WO 2008-US65132 20080529
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES,
FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,
PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,
IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
PRAI US 2007-932125P P 20070529
OS MARPAT 150:29003
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 8 ZCPLUS COPYRIGHT 2009 ACS on STN
AN 2008:903999 ZCPLUS
DN 149:298758
TI Biphenyl amide p38 kinase inhibitors 3: Improvement of cellular and in vivo activity
AU Angell, Richard; Aston, Nicola M.; Bamborough, Paul; Buckton, Jacky B.; Cockerill, Stuart; de Boeck, Suzanne J.; Edwards, Chris D.; Holmes, Duncan S.; Jones, Katherine L.; Laine, Dramane I.; Patel, Shila; Smee, Penny A.; Smith, Kathryn J.; Somers, Don O.; Walker, Ann L.
CS Medicines Research Centre, GlaxoSmithKline R&D, Stevenage, Hertfordshire, SG1 2NY, UK
SO Bioorganic & Medicinal Chemistry Letters (2008), 18(15), 4428-4432
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Ltd.
DT Journal
LA English
OS CA\$REACT 149:298758
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 8 ZCPLUS COPYRIGHT 2009 ACS on STN
AN 2007:327723 ZCPLUS
DN 146:358864
TI Preparation of heterocyclic biphenylcarboxamides for treatment of hepatitis C virus (HCV) infection.

IN Wheelhouse, Christopher James; Thomas, Alexander James Floyd; Bushnell, David John; Lumley, James; Salter, James Iain; Carter, Malcolm Clive; Mathews, Neil; Pilkington, Christopher John; Angell, Richard Martyn
 PA Arrow Therapeutics Limited, UK
 SO PCT Int. Appl., 170pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|------------------|----------|
| PI | WO 2007031791 | A1 | 20070322 | WO 2006-GB3469 | 20060918 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| AU | 2006290442 | A1 | 20070322 | AU 2006-290442 | 20060918 |
| CA | 2621364 | A1 | 20070322 | CA 2006-2621364 | 20060918 |
| EP | 1940786 | A1 | 20080709 | EP 2006-779478 | 20060918 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS | | | | |
| JP | 2009508835 | T | 20090305 | JP 2008-530624 | 20060918 |
| AU | 2007266915 | A1 | 20071206 | AU 2007-266915 | 20070321 |
| CA | 2653924 | A1 | 20071206 | CA 2007-2653924 | 20070321 |
| WO | 2007138242 | A1 | 20071206 | WO 2007-GB1024 | 20070321 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| | RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| EP | 2038253 | A1 | 20090325 | EP 2007-712949 | 20070321 |
| | R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, PL, PT, RO, SE, SI, SK, TR, AL, BA, HR, MK, RS | | | | |
| IN | 2008DN01922 | A | 20090320 | IN 2008-DN1922 | 20080305 |
| MX | 200803269 | A | 20080409 | MX 2008-3269 | 20080307 |
| US | 20080255105 | A1 | 20081016 | US 2008-66983 | 20080314 |
| KR | 2008050490 | A | 20080605 | KR 2008-708964 | 20080415 |
| NO | 2008001846 | A | 20080604 | NO 2008-1846 | 20080416 |
| CN | 101309902 | A | 20081119 | CN 2006-80042319 | 20080513 |
| MX | 2008014990 | A | 20081209 | MX 2008-14990 | 20081125 |

| | | | | |
|--------------------|---|----------|-----------------|----------|
| KR 2009012345 | A | 20090203 | KR 2008-729271 | 20081128 |
| NO 200805034 | A | 20090224 | NO 2008-5034 | 20081202 |
| IN 2008DN10101 | A | 20090320 | IN 2008-DN10101 | 20081204 |
| PRAI GB 2005-18971 | A | 20050916 | | |
| GB 2006-10663 | A | 20060530 | | |
| GB 2006-10664 | A | 20060530 | | |
| WO 2006-GB3469 | W | 20060918 | | |
| WO 2007-GB1024 | W | 20070321 | | |

OS MARPAT 146:358864

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 8 ZCPLUS COPYRIGHT 2009 ACS on STN
AN 2006:1096119 ZCPLUS

DN 145:438417

TI Substituted 3,4'-biphenyldicarboxamides as p38 kinase inhibitors, and their preparation, pharmaceutical compositions, and use
IN Boehm, Jeffrey C.; Callahan, James Francis; Wan, Zehong; Yan, Hongxing
PA Smithkline Beecham Corporation, USA
SO PCT Int. Appl., 130pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| PI WO 2006110173 | A2 | 20061019 | WO 2005-US35743 | 20051005 |
| WO 2006110173 | A3 | 20061123 | | |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ,
NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG,
SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
YU, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM | | | | |
| EP 1805132 | A2 | 20070711 | EP 2005-857821 | 20051005 |
| R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, HR | | | | |
| JP 2008515898 | T | 20080515 | JP 2007-535764 | 20051005 |
| US 20080051416 | A1 | 20080228 | US 2007-576748 | 20070405 |
| PRAI US 2004-616065P | P | 20041005 | | |
| US 2005-719729P | P | 20050922 | | |
| WO 2005-US35743 | W | 20051005 | | |
| OS CASREACT 145:438417; MARPAT 145:438417 | | | | |
| RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | | |

L4 ANSWER 5 OF 8 ZCPLUS COPYRIGHT 2009 ACS on STN
AN 2004:878362 ZCPLUS

DN 141:349932

TI Preparation of biphenylcarboxylic amide derivatives as p38 kinase inhibitors

IN Aston, Nicola Mary
 PA Smithkline Beecham Corporation, USA
 SO PCT Int. Appl., 45 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2004089875 | A1 | 20041021 | WO 2004-EP3769 | 20040407 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW,
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
TD, TG | | | | |
| | EP 1611085 | A1 | 20060104 | EP 2004-726155 | 20040407 |
| | EP 1611085 | B1 | 20070228 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | | |
| | AT 355265 | T | 20060315 | AT 2004-726155 | 20040407 |
| | JP 2006523192 | T | 20061012 | JP 2006-505066 | 20040407 |
| | US 20070105850 | A1 | 20070510 | US 2004-551503 | 20040407 |
| | ES 2282857 | T3 | 20071016 | ES 2004-726155 | 20040407 |
| PRAI | GB 2003-8201 | A | 20030409 | | |
| | US 2000-249877P | P | 20001117 | | |
| | US 2001-310561P | P | 20010807 | | |
| | WO 2004-EP3769 | W | 20040407 | | |

OS MARPAT 141:349932

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 8 ZCPLUS COPYRIGHT 2009 ACS on STN
 AN 2004:872774 ZCPLUS
 DN 141:349930
 TI Preparation of biphenylcarboxylic amide derivatives as p38 kinase
 inhibitors
 IN Aston, Nicola Mary; Bamborough, Paul; Jones, Katherine Louise; Patel,
 Vipulkumar Kantibhai; Swanson, Stephen; Walker, Ann Louise
 PA Smithkline Beecham Corporation, USA
 SO PCT Int. Appl., 96 pp.
 CODEN: PIXXD2

DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|----------|
| PI | WO 2004089874 | A1 | 20041021 | WO 2004-EP3774 | 20040407 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, | | | | |

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
 BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
 ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
 SK, TR, BF, BJ, CF, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,
 TD, TG
 AU 2004228199 A1 20041021 AU 2004-228199 20040407
 CA 2521228 A1 20041021 CA 2004-2521228 20040407
 EP 1608616 A1 20051228 EP 2004-726134 20040407
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR
 BR 2004008727 A 20060307 BR 2004-8727 20040407
 JP 2006523194 T 20061012 JP 2006-505071 20040407
 ZA 2005006919 A 20061129 ZA 2005-6919 20050829
 MX 2005010521 A 20051214 MX 2005-10521 20050929
 US 20070129354 A1 20070607 US 2005-551502 20050930
 PRAI GB 2003-8186 A 20030409
 WO 2004-EP3774 A 20040407
 OS MARPAT 141:349930
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 8 ZCPLUS COPYRIGHT 2009 ACS on STN
 AN 2003:319706 ZCPLUS
 DN 138:337843
 TI Preparation of 5'-carbamoyl-1,1'-biphenyl-4-carboxamides as p38 kinase
 inhibitors
 IN Angell, Richard Martyn; Aston, Nicola Mary; Bamborough, Paul; Bamford,
 Mark James; Cockerill, George Stuart; Merrick, Suzanne Joy; Walker, Ann
 Louise
 PA Glaxo Group Limited, UK
 SO PCT Int. Appl., 44 PP.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| PI WO 2003032980 | A1 | 20030424 | WO 2002-EP11573 | 20021016 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KE, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2002346927 | A1 | 20030428 | AU 2002-346927 | 20021016 |
| EP 1435942 | A1 | 20040714 | EP 2002-782929 | 20021016 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK | | | | |
| JP 2005008960 | T | 20050407 | JP 2003-535783 | 20021016 |
| US 20050038014 | A1 | 20050217 | US 2004-492699 | 20041012 |
| US 7396843 | B2 | 20080708 | | |

10551503

PRAI GB 2001-24931 A 20011017
WO 2002-EP11573 W 20021016
OS MARPAT 138:337843
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 8 ZCPLUS COPYRIGHT 2009 ACS on STN
AN 2003:319700 ZCPLUS
DN 138:337839
TI Preparation of 5'-carbamoyl-2'-methyl-1,1'-biphenyl-4-carboxamides as p38 kinase inhibitors
IN Angell, Richard Martyn; Aston, Nicola Mary; Bamborough, Paul; Bamford, Mark James; Cockerill, George Stuart; Merrick, Suzanne Joy; Smith, Kathryn Jane; Walker, Ann Louise
PA Glaxo Group Limited, UK
SO PCT Int. Appl., 57 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2003032970 | A1 | 20030424 | WO 2002-EP11570 | 20021016 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2002342833 | A1 | 20030428 | AU 2002-342833 | 20021016 |
| EP | 1435933 | A1 | 20040714 | EP 2002-779491 | 20021016 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK | | | | |
| JP | 2005509622 | T | 20050414 | JP 2003-535774 | 20021016 |
| PRAI | GB 2001-24928 | A | 20011017 | | |
| | WO 2002-EP11570 | W | 20021016 | | |
| OS | MARPAT 138:337839 | | | | |

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 10.07 | 275.51 |

FILE 'REGISTRY' ENTERED AT 11:49:09 ON 07 JUL 2009
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10551503

STRUCTURE FILE UPDATES: 6 JUL 2009 HIGHEST RN 1160908-15-5
DICTIONARY FILE UPDATES: 6 JUL 2009 HIGHEST RN 1160908-15-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

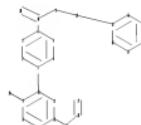
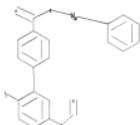
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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chain nodes :
19 20 21 22 25 27 28 29
ring nodes :

7/7/09

10551503

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
1-10 4-19 9-25 12-27 15-22 19-20 19-21 21-22 27-28 28-29
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18
exact/norm bonds :
9-25 12-27 19-20 19-21 27-28 28-29
exact bonds :
1-10 4-19 15-22 21-22
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15 15-16 16-17 17-18

G1:CH3,Et,X

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:Atom 22:Atom 25:Atom 27:Atom 28:Atom 29:Atom

L5 STRUCTURE UPLOADED

=> s 15
SAMPLE SEARCH INITIATED 11:50:20 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 68 TO ITERATE

100.0% PROCESSED 68 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 866 TO 1854
PROJECTED ANSWERS: 6 TO 266

L6 6 SEA SSS SAM L5

=> s 15 ful
FULL SEARCH INITIATED 11:50:27 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1360 TO ITERATE

100.0% PROCESSED 1360 ITERATIONS 111 ANSWERS
SEARCH TIME: 00.00.01

L7 111 SEA SSS FUL L5

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L7 ANSWER 1 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 1092358-64-9 REGISTRY
ED Entered STN: 31 Dec 2008
CN 4-Pyridinecarboxamide, N-[4'-([(3-methoxyphenyl)methyl]amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]-2-(1-pyrrolidinyl)-, mixt. with

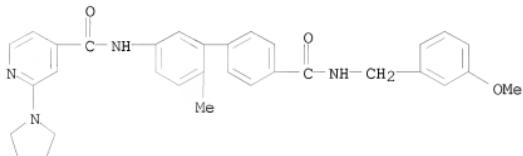
7/7/09

10551503

3,5-bis[(2-fluorophenyl)methylene]-4-piperidinone (CA INDEX NAME)
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CI MXS
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER

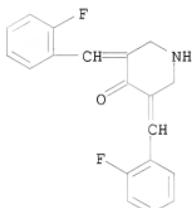
CM 1

CRN 515140-44-0
CMF C32 H32 N4 O3



CM 2

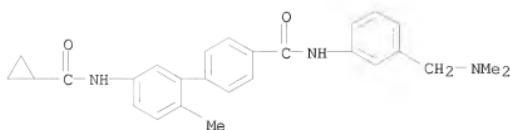
CRN 342808-40-6
CMF C19 H15 F2 N O



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 10 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929893-53-8 REGISTRY
ED Entered STN: 13 Apr 2007
CN [1,1'-Biphenyl]-4-carboxamide, 5'-(cyclopropylcarbonyl)amino]-N-[3-
[(dimethylamino)methyl]phenyl]-2'-methyl- (CA INDEX NAME)
MF C27 H29 N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

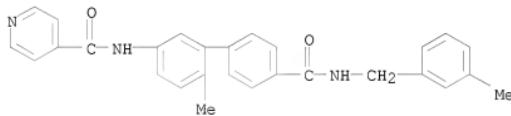
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 20 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929893-43-6 REGISTRY
ED Entered STN: 13 Apr 2007
CN 4-Pyridinecarboxamide, N-[6-methyl-4'-([(3-methylphenyl)methyl]amino]carbonyl][1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C28 H25 N3 O2
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

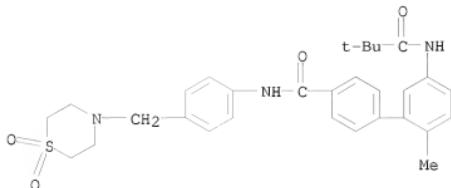


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1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 30 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929893-23-2 REGISTRY
ED Entered STN: 13 Apr 2007
CN [1,1'-Biphenyl]-4-carboxamide, 5'-[{(2,2-dimethyl-1-oxopropyl)amino]-N-[4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl]-2'-methyl- (CA INDEX NAME)
MF C30 H35 N3 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

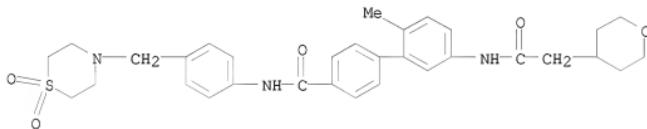
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 40 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929893-12-9 REGISTRY
ED Entered STN: 13 Apr 2007
CN 2H-Pyran-4-acetamide, N-[4'-{[(4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl]amino]carbonyl}-6-methyl[1,1'-biphenyl]-3-y]tetrahydro- (CA INDEX NAME)
MF C32 H37 N3 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

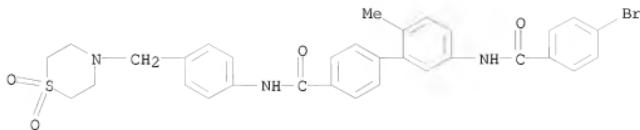


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 50 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929893-00-5 REGISTRY
ED Entered STN: 13 Apr 2007
CN [1,1'-Biphenyl]-4-carboxamide, 5'-(4-bromobenzoyl)amino]-N-(4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl)-2'-methyl- (CA INDEX NAME)
MF C32 H30 Br N3 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

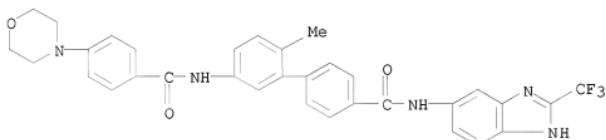
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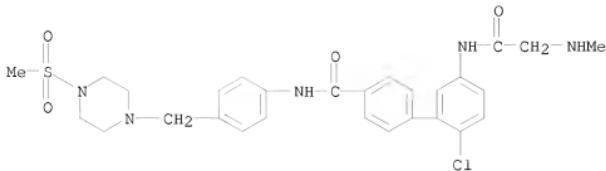
L7 ANSWER 60 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929892-52-4 REGISTRY
ED Entered STN: 13 Apr 2007
CN [1,1'-Biphenyl]-4-carboxamide, 2'-methyl-5'-[[4-(4-morpholinyl)benzoyl]amino]-N-[2-(trifluoromethyl)-1H-benzimidazol-6-yl]-(CA INDEX NAME)
MF C33 H28 F3 N5 O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 70 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 929890-79-9 REGISTRY
ED Entered STN: 13 Apr 2007
CN [1,1'-Biphenyl]-4-carboxamide, 2'-chloro-5'-[[2-(methylamino)acetyl]amino]-N-[4-[(4-(methylsulfonyl)-1-piperazinyl)methyl]phenyl]-(CA INDEX NAME)
MF C28 H32 Cl N5 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

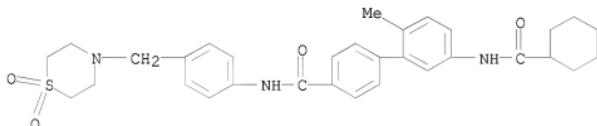


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 80 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 929890-47-1 REGISTRY
 ED Entered STN: 13 Apr 2007
 CN [1,1'-Biphenyl]-4-carboxamide, 5'-[{(cyclohexylcarbonyl)amino}-N-{4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl}-2'-methyl- (CA INDEX NAME)
 MF C32 H37 N3 O4 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

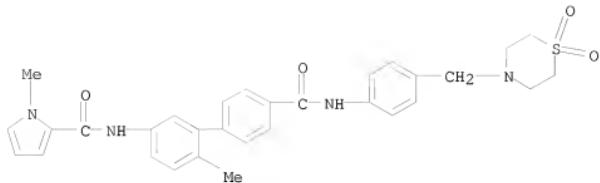


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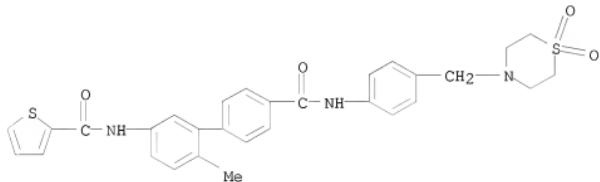
L7 ANSWER 81 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 929890-46-0 REGISTRY
 ED Entered STN: 13 Apr 2007
 CN 1H-Pyrrole-2-carboxamide, N-[4'-(4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl)amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl-1-methyl- (CA INDEX NAME)
 MF C31 H32 N4 O4 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
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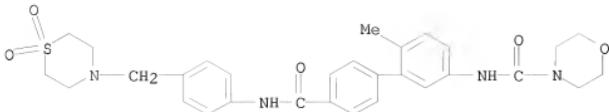
L7 ANSWER 82 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 929890-45-9 REGISTRY
 ED Entered STN: 13 Apr 2007
 CN 2-Thiophenecarboxamide, N-[4'-[[[4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl]amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
 MF C30 H29 N3 O4 S2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

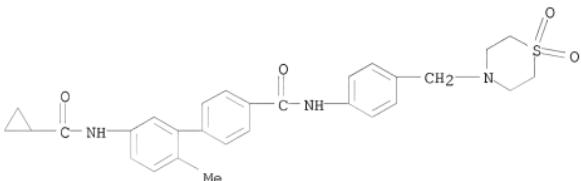
L7 ANSWER 83 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 929890-44-8 REGISTRY
 ED Entered STN: 13 Apr 2007
 CN 4-Morpholinecarboxamide, N-[4'-[[[4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl]amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
 MF C30 H34 N4 O5 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

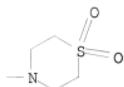
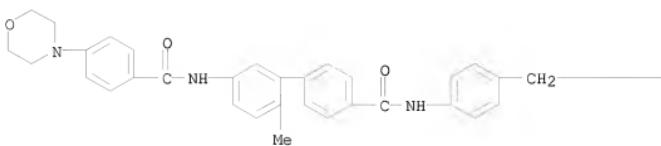
L7 ANSWER 84 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 929890-42-6 REGISTRY
 ED Entered STN: 13 Apr 2007
 CN [1,1'-Biphenyl]-4-carboxamide, 5'-(cyclopropylcarboxyl)amino]-N-[4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl]-2'-methyl- (CA INDEX NAME)
 MF C29 H31 N3 O4 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

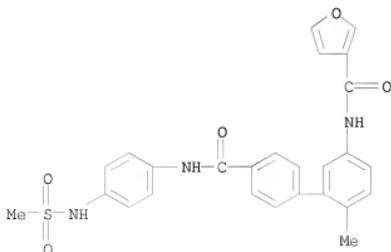
L7 ANSWER 85 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 929890-37-9 REGISTRY
 ED Entered STN: 13 Apr 2007
 CN [1,1'-Biphenyl]-4-carboxamide, N-[4-[(1,1-dioxido-4-thiomorpholinyl)methyl]phenyl]-2'-methyl-5'-[(4-(4-morpholinyl)benzoyl)amino]- (CA INDEX NAME)
 MF C36 H38 N4 O5 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 86 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 515140-60-0 REGISTRY
 ED Entered STN: 14 May 2003
 CN 3-Furancarboxamide, N-[6-methyl-4'-{[(4-
 [(methylsulfonyl)amino]phenyl]amino]carbonyl}[1,1'-biphenyl]-3-yl]- (CA
 INDEX NAME)
 MF C26 H23 N3 O5 S
 SR CA
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

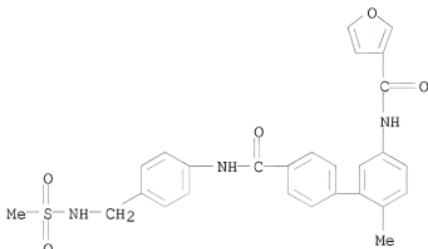


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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 87 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-59-7 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Furancarboxamide, N-[6-methyl-4'-[[[4-
[(methylsulfonyl)amino]methyl]phenyl]amino]carbonyl][1,1'-biphenyl]-3-y1]-
(CA INDEX NAME)
MF C27 H25 N3 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

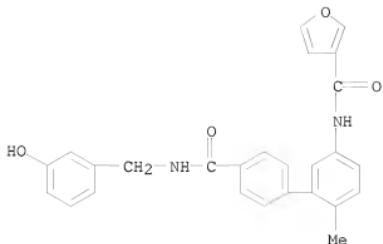


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 88 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-58-6 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Furancarboxamide, N-[4'-[[[3-hydroxyphenyl)methyl]amino]carbonyl]-6-
methyl[1,1'-biphenyl]-3-y1]- (CA INDEX NAME)
MF C26 H22 N2 O4
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

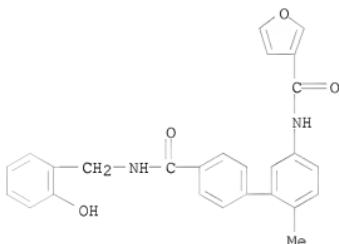
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 89 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-57-5 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Furancarboxamide, N-[4'-[[(2-hydroxyphenyl)methyl]amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C26 H22 N2 O4
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



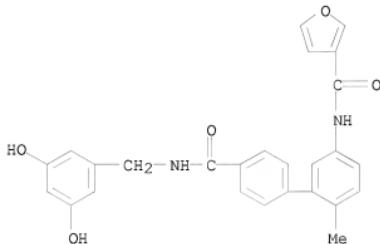
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 90 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-56-4 REGISTRY

10551503

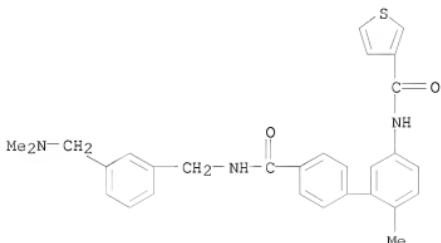
ED Entered STN: 14 May 2003
CN 3-Furancarboxamide, N-[4'-([(3,5-dihydroxyphenyl)methyl]amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C26 H22 N2 O5
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 91 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-55-3 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Thiophenecarboxamide, N-[4'-([(3-[(dimethylamino)methyl]phenyl)methyl]amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C29 H29 N3 O2 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

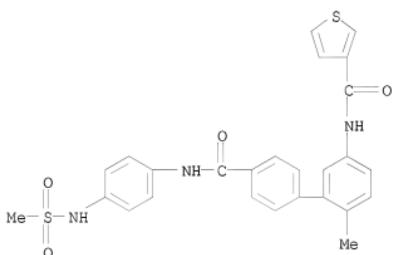


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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

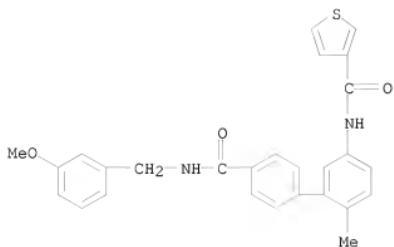
L7 ANSWER 92 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-54-2 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Thiophenescarboxamide, N-[6-methyl-4'--[[(4-
[(methylsulfonyl)amino]phenyl]amino]carbonyl][1,1'-biphenyl]-3-yl]- (CA
INDEX NAME)
MF C26 H23 N3 O4 S2
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

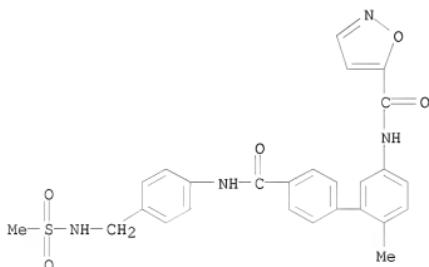
L7 ANSWER 93 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-53-1 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Thiophenescarboxamide, N-[4'--[[(3-methoxyphenyl)methyl]amino]carbonyl]-6-
methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C27 H24 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 94 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 515140-52-0 REGISTRY
 ED Entered STN: 14 May 2003
 CN 5-Isoxazolecarboxamid, N-[6-methyl-4'-{[(4-[(methylsulfonyl)amino]methyl)phenyl]amino}carbonyl][1,1'-biphenyl]-3-yl-(CA INDEX NAME)
 MF C26 H24 N4 O5 S
 SR CA
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

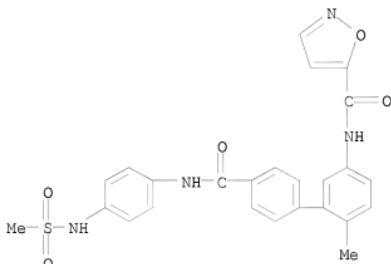


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L7 ANSWER 95 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-51-9 REGISTRY
ED Entered STN: 14 May 2003
CN 5-Isoxazolecarboxamide, N-[6-methyl-4'--[[(4-
[(methylsulfonyl)amino]phenyl]amino]carbonyl][1,1'-biphenyl]-3-yl]- (CA
INDEX NAME)
MF C25 H22 N4 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

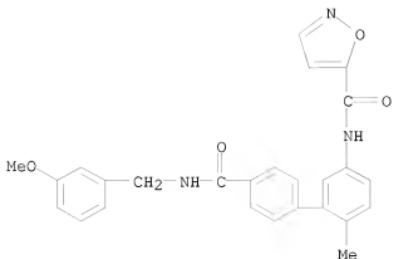


***PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 96 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-50-8 REGISTRY
ED Entered STN: 14 May 2003
CN 5-Isoxazolecarboxamide, N-[4'-[[[(3-methoxyphenyl)methyl]amino]carbonyl]-6-
methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C26 H23 N3 O4
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

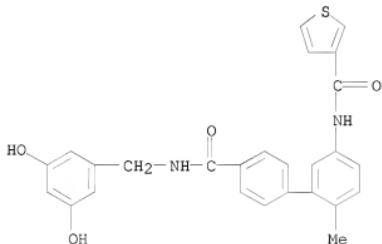
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 97 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-49-5 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Thiophenecarboxamide, N-[4'-{[(3,5-dihydroxyphenyl)methyl]amino}carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C26 H22 N2 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



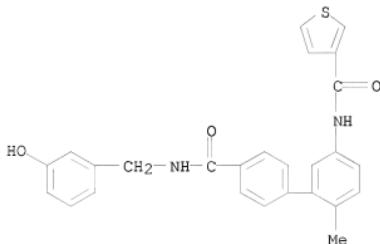
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 98 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN

10551503

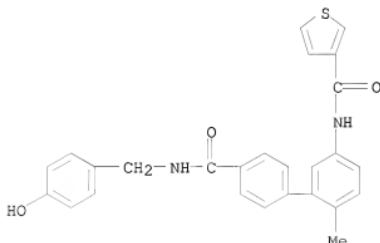
RN 515140-48-4 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Thiophenecarboxamide, N-[4'-(1-(3-hydroxyphenyl)methyl)amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C26 H22 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 99 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-47-3 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Thiophenecarboxamide, N-[4'-(1-(4-hydroxyphenyl)methyl)amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C26 H22 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

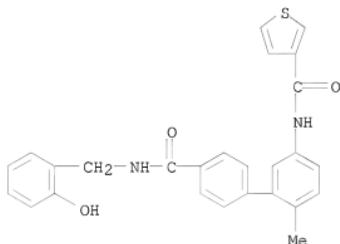


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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 100 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-46-2 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Thiophenescarboxamide, N-[4'--[[(2-hydroxyphenyl)methyl]amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C26 H22 N2 O3 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

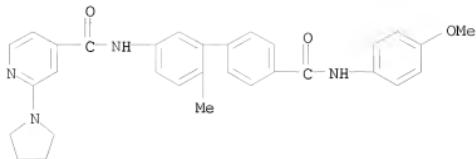


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 101 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-45-1 REGISTRY
ED Entered STN: 14 May 2003
CN 4-Pyridinecarboxamide, N-[4'--[[(4-methoxyphenyl)amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]-2-(1-pyrrolidinyl)- (CA INDEX NAME)
MF C31 H30 N4 O3
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

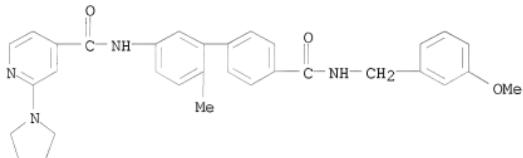
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

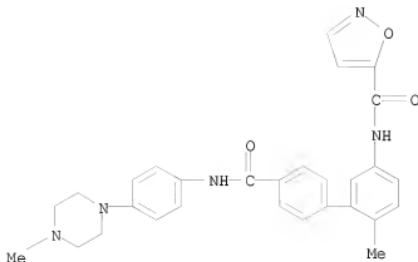
L7 ANSWER 102 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515140-44-0 REGISTRY
ED Entered STN: 14 May 2003
CN 4-Pyridinecarboxamide, N-[4'-([(3-methoxyphenyl)methyl]amino]carbonyl]-6-methyl[1,1'-biphenyl]-3-yl]-2-(1-pyrrolidinyl)- (CA INDEX NAME)
MF C32 H32 N4 O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

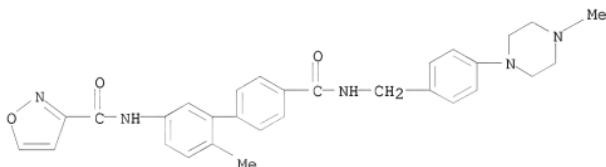
L7 ANSWER 103 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515137-81-2 REGISTRY
ED Entered STN: 14 May 2003
CN 5-isoxazolecarboxamide, N-[6-methyl-4'-{[(4-(4-methyl-1-piperazinyl)phenyl)amino]carbonyl}[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C29 H29 N5 O3
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 104 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 515137-75-4 REGISTRY
 ED Entered STN: 14 May 2003
 CN 3-Isoxazolecarboxamide, N-[6-methyl-4'-{[4-(4-methyl-1-piperazinyl)phenyl]methyl}amino]carbonyl][1,1'-biphenyl]-3-yl - (CA INDEX NAME)
 MF C30 H31 N5 O3
 SR CA
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



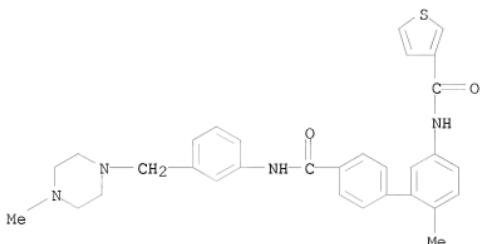
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 105 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
 RN 515137-74-3 REGISTRY
 ED Entered STN: 14 May 2003
 CN 3-Thiophenecarboxamide, N-[6-methyl-4'-{[3-[(4-methyl-1-piperazinyl)methyl]phenyl]amino]carbonyl][1,1'-biphenyl]-3-yl - (CA INDEX

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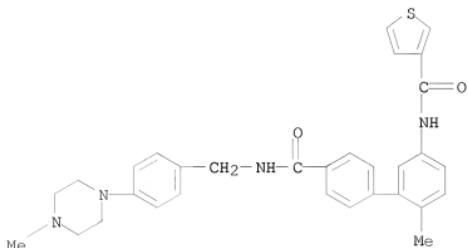
NAME)
MF C31 H32 N4 O2 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 106 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515137-73-2 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Thiophencarboxamide, N-[6-methyl-4'-[[[4-(4-methyl-1-piperazinyl)phenyl]methyl]amino]carbonyl][1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C31 H32 N4 O2 S
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



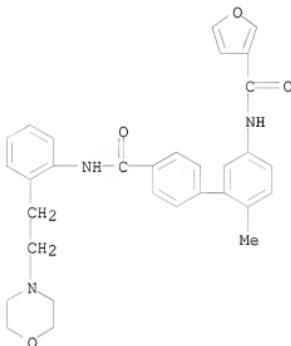
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7/7/09

10551503

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

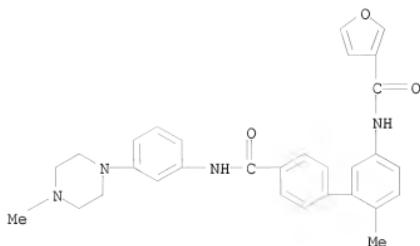
L7 ANSWER 107 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515137-70-9 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Furancarboxamide, N-[6-methyl-4'-[[[2-[2-(4-morpholinyl)ethyl]phenyl]amino]carbonyl][1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C31 H31 N3 O4
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

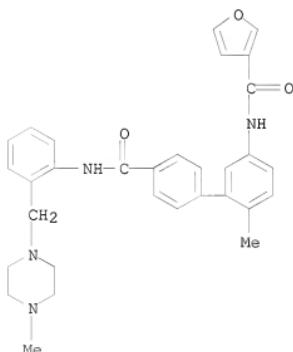
L7 ANSWER 108 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515137-69-6 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Furancarboxamide, N-[6-methyl-4'-[[[3-(4-methyl-1-piperazinyl)phenyl]amino]carbonyl][1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C30 H30 N4 O3
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 109 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515137-68-5 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Furancarboxamide, N-[6-methyl-4'-{[2-[(4-methyl-1-piperazinyl)methyl]phenyl]amino]carbonyl][1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C31 H32 N4 O3
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL

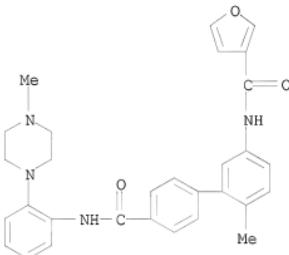


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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

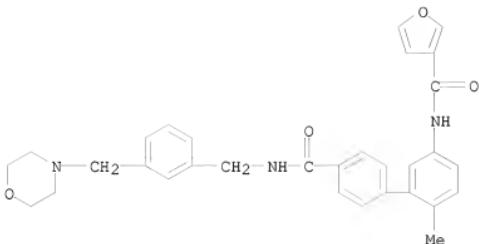
L7 ANSWER 110 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515137-67-4 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Furancarboxamide, N-[6-methyl-4'-{[[(2-(4-methyl-1-piperazinyl)phenyl)amino]carbonyl}[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C30 H30 N4 O3
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L7 ANSWER 111 OF 111 REGISTRY COPYRIGHT 2009 ACS on STN
RN 515137-64-1 REGISTRY
ED Entered STN: 14 May 2003
CN 3-Furancarboxamide, N-[6-methyl-4'-{[[(3-(4-morpholinylmethyl)phenyl)methyl]amino]carbonyl}[1,1'-biphenyl]-3-yl]- (CA INDEX NAME)
MF C31 H31 N3 O4
SR CA
LC STN Files: CA, CAPLUS, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

| | | | |
|----------------------|--|------------|---------|
| => file zcplus | | | |
| COST IN U.S. DOLLARS | | SINCE FILE | TOTAL |
| FULL ESTIMATED COST | | ENTRY | SESSION |
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FILE COVERS 1907 - 7 Jul 2009 VOL 151 ISS 2
FILE LAST UPDATED: 6 Jul 2009 (20090706/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2009

ZCplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2009.

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10551503

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 17
L8 4 L7

=> d 18 1-4

L8 ANSWER 1 OF 4 ZCPLUS COPYRIGHT 2009 ACS on STN
AN 2008:1481200 ZCPLUS
DN 150:29003
TI NF- κ B inhibitor-p38 MAP kinase inhibitor combination for the treatment of cancer and inflammatory diseases
IN Fu, Haian; Liotta, Dennis C.; Thomas, Shala L.; Snyder, James P.
PA Emory University, USA
SO PCT Int. Appl., 122pp.
CODEN: PIXXD2

DT Patent
LA English
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| PI WO 2008150899 | A1 | 20081211 | WO 2008-US65132 | 20080529 |
| W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW | | | | |
| RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |

PRAI US 2007-932125P P 20070529
OS MARPAT 150:29003
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 4 ZCPLUS COPYRIGHT 2009 ACS on STN
AN 2007:327723 ZCPLUS
DN 146:358864
TI Preparation of heterocyclyl biphenylcarboxamides for treatment of hepatitis C virus (HCV) infection.
IN Wheelhouse, Christopher James; Thomas, Alexander James Floyd; Bushnell, David John; Lumley, James; Salter, James Iain; Carter, Malcolm Clive; Mathews, Neil; Pilkington, Christopher John; Angell, Richard Martyn
PA Arrow Therapeutics Limited, UK
SO PCT Int. Appl., 170pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------------|------|----------|-----------------|----------|
| PI WO 2007031791 | A1 | 20070322 | WO 2006-GB3469 | 20060918 |

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AU 2006290442 A1 20070322 AU 2006-290442 20060918
 CA 2621364 A1 20070322 CA 2006-2621364 20060918
 EP 1940786 A1 20080709 EP 2006-779478 20060918
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JP 2009508835 T 20090305 JP 2008-530624 20060918
 AU 2007266915 A1 20071206 AU 2007-266915 20070321
 CA 2653924 A1 20071206 CA 2007-2653924 20070321
 WO 2007138242 A1 20071206 WO 2007-GB1024 20070321

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EP 2038253 A1 20090325 EP 2007-712949 20070321
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 AL, BA, HR, MK, RS

IN 2008DN01922 A 20090320 IN 2008-DN1922 20080305
 MX 2008003269 A 20080409 MX 2008-3269 20080307
 US 20080255105 A1 200801016 US 2008-66983 20080314
 KR 2008050490 A 20080605 KR 2008-708964 20080415
 NO 2008001846 A 20080604 NO 2008-1846 20080416
 CN 101309902 A 20081119 CN 2006-80042319 20080513
 MX 2008014990 A 20081209 MX 2008-14990 20081125
 KR 2009012345 A 20090203 KR 2008-729271 20081128
 NO 2008005034 A 20090224 NO 2008-5034 20081202
 IN 2008DN10101 A 20090320 IN 2008-DN10101 20081204

PRAI GB 2005-18971 A 20050916
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 WO 2006-GB3469 W 20060918
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OS MARPAT 146:358864
 RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

10551503

L8 ANSWER 3 OF 4 ZCPLUS COPYRIGHT 2009 ACS on STN
AN 2003:319887 ZCPLUS
DN 138:337845
TI Preparation of biphenylcarboxamides as p38 kinase inhibitors
IN Angell, Richard Martyn; Aston, Nicola Mary; Bamborough, Paul; Bamford,
Mark James; Cockerill, George Stuart; Flack, Stephen Sean; Laine, Dramane
Ibrahim; Walker, Ann Louise
PA Glaxo Group Limited, UK
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------|--|------|----------|-----------------|----------|
| PI | WO 2003033483 | A1 | 20030424 | WO 2002-EP11572 | 20021016 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
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| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
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FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,
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| AU | 2002346926 | A1 | 20030428 | AU 2002-346926 | 20021016 |
| EP | 1436272 | A1 | 20040714 | EP 2002-782928 | 20021016 |
| EP | 1436272 | B1 | 20080507 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK | | | | |
| JP | 2005508967 | T | 20050407 | JP 2003-536223 | 20021016 |
| AT | 394383 | T | 20080515 | AT 2002-782928 | 20021016 |
| ES | 2305317 | T3 | 20081101 | ES 2002-782928 | 20021016 |
| US | 20050020540 | A1 | 20050127 | US 2004-492697 | 20040415 |
| US | 7151118 | B2 | 20061219 | | |
| US | 20070105860 | A1 | 20070510 | US 2006-556285 | 20061103 |
| US | 7309800 | B2 | 20071218 | | |
| PRAI | GB 2001-24933 | A | 20011017 | | |
| | WO 2002-EP11572 | W | 20021016 | | |
| | US 2004-492697 | A1 | 20040415 | | |
| OS | MARPAT 138:337845 | | | | |
| RE.CNT 3 | THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | | |

L8 ANSWER 4 OF 4 ZCPLUS COPYRIGHT 2009 ACS on STN
AN 2003:319863 ZCPLUS
DN 138:337844
TI Preparation of biphenylcarboxamides as p38 kinase inhibitors
IN Angell, Richard Martyn; Aston, Nicola Mary; Bamborough, Paul; Bamford,
Mark James; Cockerill, George Stuart; Flack, Stephen Sean; Laine, Dramane
Ibrahim; Walker, Ann Louise
PA Glaxo Group Limited, UK
SO PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DT Patent
LA English

10551503

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|--|----------|-----------------|----------|
| PI WO 2003033457 | A1 | 20030424 | WO 2002-EP11571 | 20021016 |
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| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| AU 2002362894 | A1 | 20030428 | AU 2002-362894 | 20021016 |
| EP 1448513 | A1 | 20040825 | EP 2002-790291 | 20021016 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK | | | | |
| JP 2005505618 | T | 20050224 | JP 2003-536198 | 20021016 |
| US 20040249161 | A1 | 20041209 | US 2004-492715 | 20040415 |
| US 7183297 | B2 | 20070227 | | |
| US 20070142476 | A1 | 20070621 | US 2007-669219 | 20070131 |
| PRAI GB 2001-24934 | A | 20011017 | | |
| WO 2002-EP11571 | W | 20021016 | | |
| US 2004-492715 | A1 | 20040415 | | |
| OS MARPAT 138:337844 | | | | |
| RE.CNT 2 | THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | |

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| FULL ESTIMATED COST | 5.07 | 549.42 |

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